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| Applica | tion/C | ontro | No. |
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10/624,313

Examiner

Hai C. Pham

Applicant(s)/Patent under Reexamination

RAMANUJAN ET AL.

Art Unit

2861

| 1 | Rejected |
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| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |  |  |  |  |  |
|---|--------------------------------|--|--|--|--|--|
| ÷ | Restricted                     |  |  |  |  |  |

| N | Non-Elected  |  |  |  |  |  |  |
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|   | Interference |  |  |  |  |  |  |

| 4 | 4 | Appeal   |
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| C | C | Objected |

|  |          |                 |          |          |          | •        |  |  |          |     |       |  |              |                |   |              | •        |          | •  |  | _        |
|--|----------|-----------------|----------|----------|----------|----------|--|--|----------|-----|-------|--|--------------|----------------|---|--------------|----------|----------|--|--|----------|
| Claim  |          |                 |          |          | Date     | е        |  |  |          |     | Cla   | im   |              |                |   |              | Date     | e        |  | _  | _        |
| Final  | 9/1/05   |                 |          |          |          |          |  |  |          |     | Final | Original   | 9/7/05       |                |   |              |          |          |  |  |          |
|  |          |                 |          |          |          |          |  |  |          |     |       | <del>ত্ৰ প্ৰপ্</del> ৰক্ত                        |              |                |   |              |          |          |  |  |          |
| 4  | <u> </u> |                 |          |          |          |          |  |  |          |     |       | 52   |              |                |   |              |          |          |  |  |          |
| 3  |          | $\vdash$        |          |          |          | <u> </u> | <u> </u>                                     |  |          |     |       | 53   | ,            |                |   |              |          |          | L  | _  | L        |
| 1  | ╄        | $\vdash \vdash$ |          |          |          | -        | <del> </del>                                 | $\vdash$   | _        |     |       | (54)<br>55                                       | 1            |                |   |              |          | <u> </u> |  | <u> </u>                                     | ┞        |
| 5  | $\vdash$ | $\vdash$        |          |          | $\vdash$ | -        |  |  |          |     |       | 56   | 1            |                |   |              |          | -        |  | <del> </del>                                 | ⊢        |
| 1 1  | $\vdash$ | H               |          |          | -        |          | -  | $\vdash$   |          |     |       | 57   | 1            |                |   |              | -        |          |  |  | H        |
|  |          | П               |          |          |          |          |  |  |          |     |       | 58   | 1            |                | _ | _            |          | $\vdash$ |  | Г  | Г        |
| 9  |          |                 |          |          |          |          |  |  |          |     |       | 59   | 1            |                |   |              |          |          |  |  | Г        |
| 10   |          |                 |          |          |          |          |  |  |          |     |       | 60   | 1            |                |   |              |          |          |  |  |          |
| 11   | _        | Ш               |          |          |          |          |  | $ldsymbol{le}}}}}}}$ |          |     |       | 61   | 1            |                |   |              |          | _        |  |  | L        |
| 12   | <u> </u> | $\vdash$        |          |          |          |          |  |  |          |     |       | 62   | 1            |                |   | _            |          |          |  | <u> </u>                                     | L        |
| 13<br>14                                     | $\vdash$ | Н               |          |          | -        | -        | ├_   | <u> </u>   | _        |     |       | 63<br>64   | 1            |                |   |              | _        | ┝        | H  | <u> </u>                                     | ┞        |
| 15   | ╁        | Н               | -        |          | $\vdash$ | $\vdash$ | $\vdash$                                     | $\vdash$   |          |     |       | 65   | 1            | -              |   | _            | _        | -        | H  | <del> </del>                                 | ┝        |
| 16   | ╁        | H               |          |          | $\vdash$ | H        |  |  |          |     |       | 66   | H            |                |   |              |          | ├─       | ├─   | $\vdash$                                     | ┝        |
| 17   | t        | H               |          |          |          |          | _  | _  |          |     |       | 66<br>67   |              |                |   |              |          | $\vdash$ |  | $\Box$                                       | H        |
| 18   | İ        |                 |          |          |          |          |  |  |          |     |       | 6B   |              |                |   |              |          |          |  |  | Г        |
| 19   |          |                 |          |          |          |          |  |  |          |     |       | 69   |              |                |   |              |          |          |  |  |          |
| 20   |          |                 |          |          |          |          |  |  |          |     |       | 70   |              |                |   |              |          |          |  |  |          |
| 21   |          | Ш               |          |          |          |          |  |  |          |     |       | 71   | <u> </u>     |                |   |              |          |          |  |  | L        |
| 22   |          |                 | _        |          | _        |          | <u>                                     </u> | _  |          |     |       | 72   |              |                |   |              | _        |          |  | <u> </u>                                     | L        |
| 23<br>24                                     | ┼—       | $\vdash$        |          | _        |          |          | -  | <u> </u>   |          |     |       | 7 <b>3</b><br>74                                 | <del> </del> |                |   |              |          | ┝        | $\vdash$                                     | $\vdash$                                     | ⊢        |
| 25   | ╁        | H               |          |          |          |          |  |  |          |     |       | 75<br>75   | $\vdash$     |                |   |              |          |          |  |  | ⊢        |
| 26   | $\vdash$ | H               |          |          | $\vdash$ | Н        |  |  |          |     |       | 76   | $\vdash$     |                |   |              |          | H        | $\vdash$                                     | _  | ┢        |
| 26<br>27                                     | T        | П               |          |          |          |          |  |  |          |     |       | 77   | Г            |                |   |              |          |          |  | Г  | r        |
| 2/8  |          |                 |          |          |          |          |  |  |          |     |       | 78<br>79   |              |                |   |              |          |          |  |  |          |
| 29   |          |                 |          |          |          |          |  |  |          |     |       | <del>2</del>                                     |              |                |   |              |          |          |  |  |          |
| 80   | <u> </u> | Ш               |          |          | _        |          |  |  |          |     |       | 80   | <u> </u>     |                |   |              | <u>.</u> |          |  |  | L        |
| 31   | ╄        | -               | -        |          | _        | <u> </u> | <u> </u>                                     |  |          |     |       | 81   | $\vdash$     |                |   |              | _        | $\vdash$ | <u> </u>                                     | <u> —                                   </u> | L        |
| 32<br>33                                     | ╁        | $\vdash$        |          |          | -        | -        | _  |  |          |     |       | <u>8</u> 2                                       | ⊢            |                |   | -            |          |          |  | $\vdash$                                     | ┝        |
| 334  | +        | ╁╌┤             |          |          | H        | $\vdash$ | ┝  | $\vdash$   | H        |     |       | 84   | $\vdash$     |                |   |              | -        | -        | $\vdash$                                     | $\vdash$                                     | $\vdash$ |
| 35   | $\vdash$ | H               | $\dashv$ |          | -        | -        | -  | <del> </del>   | $\vdash$ |     |       | <del>8                                    </del> | $\vdash$     | $\vdash$       |   | -            | -        | $\vdash$ | Н  | $\vdash$                                     | H        |
| 36   | $\vdash$ | $\Box$          |          | Г        | T        | Г        | $\vdash$                                     | П  | П        | i I |       | 86   |              |                |   | П            |          | Г        | Г  | $\vdash$                                     | Γ        |
| 37   |          |                 |          |          |          |          |  |  |          | ]   |       | 87   |              |                |   |              |          |          |  |  |          |
| 3 3 3  |          |                 |          |          |          |          |  |  |          |     |       | 88   |              |                |   |              |          |          |  |  |          |
| 39   | _        | Ш               |          |          |          | L        | _  |  |          |     |       | 89   | L            | Ш              |   | L            | L        | <u> </u> | Щ  |  | L        |
| 40   | $\vdash$ | $\vdash$        |          | <u> </u> | ļ        | -        | <u> </u>                                     | H  | $\vdash$ |     |       | 90   | $\vdash$     | Ш              |   | $\vdash$     | _        | $\vdash$ | $\vdash$                                     | <u> </u>                                     | L        |
| 41   | $\vdash$ | $\vdash$        |          | _        | H        | -        | -  |  | -        |     |       | All  | <del> </del> | $\vdash\vdash$ |   | <del> </del> | $\vdash$ | $\vdash$ | $\vdash$                                     | $\vdash$                                     | $\vdash$ |
| 42   | ┼        | $\vdash$        | -        | ┝        | H        | $\vdash$ | -  | H  | $\vdash$ |     |       | <del>3 5 8 3 3</del>                             | $\vdash$     | Н              | _ | $\vdash$     | -        | -        | -  | -  | $\vdash$ |
| 1 2  | $\vdash$ | H               |          | $\vdash$ | H        | -        | $\vdash$                                     | -  | H        |     |       | 91   | <del> </del> | Н              |   | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$                                     | $\vdash$                                     | H        |
| 42<br>43<br>44<br>45<br>46<br>47<br>48<br>49 | t        |                 |          | -        | -        |          |  |  |          |     |       | 95   | T            | П              |   | $\vdash$     | -        | $\vdash$ | <b>-</b>                                     |  | H        |
| 46   |          |                 |          |          |          |          |  |  |          |     |       | 95<br>96)  | =            |                |   |              |          |          |  |  | Γ        |
| 47   |          |                 |          |          |          |          |  |  |          | ]   |       | 97   | Ξ            |                |   |              |          |          |  |  |          |
| 48   |          |                 |          |          |          |          |  |  |          |     |       | 98   | Ξ.           |                |   | Ĺ            | L        |          | $\Box$                                       |  | Ĺ        |
| 19   | 1        |                 | Ш        | L.       | <u> </u> | _        | _  | <b> </b>   | Ц.       |     |       | 99   | Ξ            | Ш              | _ | $\vdash$     | ldash    | <u> </u> | <u> </u>                                     | <u> </u>                                     | $\vdash$ |
| <b>s</b> p                                   | Ц.       | <u>L_</u>       |          | L        | Щ        | <u> </u> | Ц_   | L  | L        | J l |       | (100)  | <u> </u>     | Ш              |   | L            | L.,      | <u> </u> | <u>.                                    </u> | <u> </u>                                     | L        |

| Cla      | aim  | Date     |          |          |          |          |          |          |   |              |  |  |  |  |
|----------|--|----------|----------|----------|----------|----------|----------|----------|---|--------------|--|--|--|--|
|          |  |          |          |          |          |          |          |          |   |              |  |  |  |  |
| Final    | Original   | 9/7/05   |          |          |          |          |          | :        |   |              |  |  |  |  |
| -        | 51   |          |          |          |          |          |          |          | _   | <del> </del> |  |  |  |  |
|          | 42   |          |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 42   |          |          |          | _        |          | $\vdash$ |          | $\vdash$  | _            |  |  |  |  |
|          | (5A)   | 7        | _        | H        |          |          | Н        |          | -   | ┢            |  |  |  |  |
|          | 22   | ÷        |          | -        |          | _        | $\vdash$ |          |   |              |  |  |  |  |
|          | 55   | 1        |          |          |          |          | -        | _        |   | -            |  |  |  |  |
| ļ        | 20   | ν,       |          | Щ        |          |          | _        |          |   | <u> </u>     |  |  |  |  |
| ļ        | 51<br>52<br>55<br>55<br>56<br>57<br>58                   | 7        |          | _        |          |          |          |          |   | _            |  |  |  |  |
|          | 58   | ٧,       |          |          |          |          | _        |          |   | <u> </u>     |  |  |  |  |
| <u> </u> | 59   | ٧.       |          |          |          |          |          |          |   | _            |  |  |  |  |
|          | 60   | 1        |          |          |          |          |          |          |   | <u> </u>     |  |  |  |  |
|          | 61   | 1        |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 62   | 7        |          |          | آللا     |          |          |          |   | L            |  |  |  |  |
|          | 63   | 1        |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 64   | 1        |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 60<br>61<br>62<br>63<br>64<br>65<br>66<br>67<br>68<br>69 | 1        |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 666  |          |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 67   |          |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 68   | _        |          | _        |          |          |          | _        | _   | _            |  |  |  |  |
|          | 69   |          |          | -        |          |          |          | _        | -   | -            |  |  |  |  |
| -        | 70   | -        |          | -        | _        | _        | _        | $\vdash$ | $\vdash$  | _            |  |  |  |  |
| $\vdash$ | 71   |          |          |          |          |          |          | _        |   |              |  |  |  |  |
| -        |  |          |          |          |          |          |          | -        |   | -            |  |  |  |  |
|          | 72<br>73<br>74<br>75<br>76<br>77                         | _        |          |          | _        | _        |          | _        |   |              |  |  |  |  |
| <u> </u> | 79   | _        |          |          |          |          |          | _        |   |              |  |  |  |  |
|          | 74   |          |          |          |          |          |          |          |   |              |  |  |  |  |
| <u> </u> | <u> </u>   |          |          |          |          |          |          | _        | _   | -            |  |  |  |  |
|          | 7 <u>5</u>   |          |          |          |          |          | _        | _        | _   |              |  |  |  |  |
| <u> </u> | 77   |          |          |          |          |          |          |          |   | L.           |  |  |  |  |
|          | 78   |          |          |          |          |          |          |          | $ldsymbol{le}}}}}}$ | _            |  |  |  |  |
|          | 79   |          |          |          |          |          |          |          |   | L.           |  |  |  |  |
|          | 80   |          |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 81   |          |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 82   |          |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 83   |          |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 84   |          |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 85   |          |          |          |          |          |          |          |   |              |  |  |  |  |
|          | **************************************                   |          |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 87   |          |          |          |          |          |          |          |   |              |  |  |  |  |
|          | 88   |          |          |          |          |          | $\vdash$ | _        |   | $\vdash$     |  |  |  |  |
| -        | 80   |          |          |          | Н        |          |          |          |   | $\vdash$     |  |  |  |  |
|          | gh   |          |          | П        | $\vdash$ | Н        |          | -        | Н   | -            |  |  |  |  |
|          | <u>a</u>   | $\vdash$ |          | $\vdash$ | $\vdash$ |          |          | $\vdash$ | $\vdash$  |              |  |  |  |  |
| -        | 36   |          | $\vdash$ | $\vdash$ | -        | $\vdash$ |          |          | $\vdash$  | <del> </del> |  |  |  |  |
| $\vdash$ | äŧ   | $\vdash$ | $\vdash$ | $\vdash$ |          |          |          |          | $\vdash$  | $\vdash$     |  |  |  |  |
|          | 93<br>93<br>94   |          | $\vdash$  | <del> </del> |  |  |  |  |
| -        | ok   | $\vdash$ | $\vdash$ |          |          | -        | -        |          | $\vdash$  | -            |  |  |  |  |
|          | 95<br>96)  | =        |          | $\vdash$ | $\vdash$ |          | $\vdash$ | -        | $\vdash$  | $\vdash$     |  |  |  |  |
| -        | (Sa)   |          |          | -        | Н        | H        | $\vdash$ | <u> </u> | -   | -            |  |  |  |  |
| -        | 97   | =        |          | -        |          | H        | <b> </b> |          | <u> </u>  | ├            |  |  |  |  |
| <u> </u> | 98   | =        | $\vdash$ | <u> </u> | Ь.       | <u> </u> |          | <u> </u> | <u> </u>  |              |  |  |  |  |
| -        | 99   | =        |          | $\vdash$ | Щ.       | <u> </u> | <u> </u> | <u> </u> | $\vdash$  | <u> </u>     |  |  |  |  |
| 1        | M(00)  | =        |          |          | 1        |          | t i      | i        |   | ı            |  |  |  |  |

| Cl           | Date   |          |  |  |  |  |          |          |  |          |  |
|--------------|--|----------|--|--|--|--|----------|----------|--|----------|--|
|              | Claim  |          |  | $\overline{}$                                    | ı,   |  | <u></u>  |          |  | $\Box$   |  |
| Final        | Original   | 9/7/05   |  |  | c  |  |          |          |  |          |  |
|              | 101  | Ξ        |  |  |  |  |          |          |  |          |  |
|              | 102  | =        |  |  | Г  |  |          |          |  |          |  |
|              | 101<br>102<br><del>103</del><br>104  |          |  |  |  |  |          |          |  |          |  |
|              | 104  |          |  |  | Г  |  |          |          |  |          |  |
|              | 105  |          |  |  |  |  |          |          |  |          |  |
|              | 106  |          |  |  |  |  |          |          |  |          |  |
|              | 105<br>106<br>107  |          |  |  |  |  |          |          |  |          |  |
|              | 108  |          |  |  |  |  |          |          |  |          |  |
|              | 109  |          |  |  |  |  |          |          |  |          |  |
|              | 110  |          |  |  |  |  |          |          |  |          |  |
|              | 111  |          |  |  | ,  |  |          |          |  |          |  |
|              | 112  |          |  |  |  |  |          |          |  |          |  |
|              | 108<br>109<br>110<br>111<br>112<br>113<br>114<br>115                             |          |  |  |  |  |          |          |  |          |  |
|              | 114  |          |  |  |  |  |          |          |  |          |  |
|              | 115  |          |  |  |  |  |          |          |  |          |  |
|              | 116  |          |  |  | L  |  |          |          |  |          |  |
|              | 116<br>117<br>118  | Ш        |  | _  | $oxedsymbol{oxed}$                               |  | <u> </u> |          |  | Ш        |  |
|              | 118  |          |  |  |  |  | L_       |          |  |          |  |
|              | 119  |          |  |  |  |  |          |          | L  |          |  |
|              | 120  |          |  |  |  |  |          |          |  |          |  |
|              | 121  |          |  |  |  | L  |          | _        | L  |          |  |
|              | 122  |          |  | L  |  |  | L        |          |  |          |  |
|              | 123  |          |  | <u> </u>   | L  | L  |          | Щ        | L  |          |  |
|              | 124  |          |  |  |  |  | _        | Щ        |  | Ш        |  |
|              | 125  | Щ        |  | _  |  |  |          |          |  |          |  |
|              | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 |          |  |  |  |  | <u> </u> | _        | <u> </u>   |          |  |
|              | 127  |          | _  | _  | _  | <u> </u>   | _        |          | <u> </u>   |          |  |
|              | 128  | Щ        |  | <u> </u>   | <u> </u>   | <u> </u>   |          |          | _  |          |  |
|              | 129  |          |  | <u> </u>   | <u> </u>   | _  |          | <u> </u> | <u> </u>   |          |  |
|              | 130  |          | _  |  | <del> </del>                                     | _  | _        |          | ⊢  | Н        |  |
|              | 131<br>132<br>133  |          |  | ⊢  | <u> </u>   |  | <u> </u> |          | _  | Ш        |  |
| <u> </u>     | 132  | Н        |  | ⊢  | $\vdash$   | <u> </u>   | <u> </u> | <u> </u> | <u> </u>   | -        |  |
| <u> </u>     | 133  | Н        |  | _  | H  | ⊢  | $\vdash$ | -        |  | -        |  |
|              | 134  | $\vdash$ | -  |  | $\vdash$   | $\vdash$   | <u> </u> | $\vdash$ | $\vdash$   | $\vdash$ |  |
|              | 135<br>136<br>137  | $\vdash$ |  | $\vdash$   | H  | $\vdash$   | $\vdash$ | -        | <del> </del>                                     | Н        |  |
|              | 137  |          |  | $\vdash$   | H  | -  | ├        |          | -  |          |  |
| <u> </u>     | 138  | H        |  | $\vdash$   | $\vdash$   | $\vdash$   |          | $\vdash$ | -  |          |  |
| <del> </del> | 138<br>139   | $\vdash$ |  | $\vdash$   |  | $\vdash$   |          | $\vdash$ | -  |          |  |
| <del> </del> | 140  | Н        | -  | -  | <del> </del>                                     | $\vdash$   | ├        | $\vdash$ | $\vdash$   | $\vdash$ |  |
| <del> </del> | 141  | Н        | $\vdash$   | -  | -  | -  | $\vdash$ | $\vdash$ | ┢  | Н        |  |
| <del></del>  | 142  |          | $\vdash$   | $\vdash$   | H  | $\vdash$   | $\vdash$ | $\vdash$ | <del>                                     </del> | $\vdash$ |  |
| <u> </u>     | 143  | Н        | $\vdash$   | $\vdash$   | H  | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$   |          |  |
| <del></del>  | 144  | $\vdash$ | $\vdash$   | $\vdash$   | Ι  | $\vdash$   | $\vdash$ | $\vdash$ | ┢  | H        |  |
| <u> </u>     | 145  | $\vdash$ | <del>                                     </del> | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$ | $\vdash$ | ╁  | Н        |  |
| $\vdash$     | 146  | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$ | Н        | $\vdash$   |          |  |
|              | 147  | $\vdash$ | $\vdash$   | Ι-   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ | <del>                                     </del> |          |  |
|              | 148  | $\vdash$ | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$ | Н        | <del> </del>                                     | -        |  |
| <del></del>  | 149  | $\vdash$ | ┢  | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$ | Н        | H  |          |  |
|              | 150  | $\vdash$ | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$ | Н        | $\vdash$   | $\vdash$ |  |
|              |  |          |  |  |  |  |          |          |  |          |  |